



Flight

WEPS 16X

Mission

Introduce basic weapons flying



WEP-16X

Flight Brief



- **QOD**
 - NATOPS
 - EP
 - SOP
- **Racetrack pattern**
- **30-30 pop**
- **Abort criteria**



WEP-16X

Flight Brief



- **Introduce**
 - **30-30 pop**
 - **Pattern procedures**
 - **Pattern communications**
- **Practice**
 - **Weapons preflight**
 - **Target procedures**
 - **Armament system management**
 - **10-degree bombs**
 - **Tracking/dive angle**
 - **Error corrections / *Limitations***
 - **Release/firing parameters**
 - **Dive recovery**
 - **Rendezvous**
 - **Hung ordnance checks**
 - **Hung ordnance approach (if flown)**
 - **Landing(s)**
 - **Accuracy**
 - **Bets**



WEP-16X

Notes



Note 4: Two off-target rendezvous are required prior to completion of WEP-10X.

Note 5: Either WEP-09 or WEP-10X shall be flown as a four-plane.

Note 6: One hung ordnance approach is required prior to WEP-10X.

Note 7: Students must fly at least seven off-target rendezvous during weapons syllabus.

Note 8: Circular Error Probability (CEP) on WEP flights shall be graded as follows:

Average CEP for WEP-09 through 15 is 100-200 ft.

A CEP of <200 ft must be achieved on one of the following flights: WEP-11, 12, or 13. Failure to do so will result in a flight down (unsatisfactory).

Grading criteria may be modified by Squadron CO/Det OIC for adverse weather conditions.

Note 9: A Weapon "E" may be awarded for a CEP of 75 ft or less with at least 4 bombs dropped.

Note 10: A minimum of four bombs delivered is required to complete each flight.



WEP-16X



Notes continued

- Note 11: Delivery of ordnance is required to complete a weapons flight**
- Note 12: Students must fly 30, 20, and 10-degree patterns prior to the completion of WEP-10X. All bombs should be dropped from the highest available pattern**
- Note 13: 20-degree and 10-degree bombs are available as a weather backup on WEP-9 through WEP-13**
- Note 14: 30-degree bombs must be dropped on at least 4 flights. The highest pattern available shall be flown in order to meet the individual curriculum requirements within the flight**
- Note 15: CCIP target tracking may be practiced on WEP-15 and flown only in the delivery mode and pattern as introduced on WEP-14X**
- Note 16: Jacket review required prior to check flights**



WEP-16X

ORM



- **Operational Requirements / Limitations**
 - Crew Rest / Crew Day / Work Week
 - R&I
 - IP Currency (SOP)
 - Warm Up Eligibility
 - Previous Flight Incomplete? Determine Graded Items.
- **Human Factors**
 - Life Stressors / External Factors / Personal Problems
 - Medical Status (Rest / Nourishment / Hydration)
- **Hazards and Controls**
 - Routine
 - Weather
 - Current Observations and Forecasts
 - Crosswinds
 - Fuel Considerations
 - Mission Specific



WEP-16X

TTO



- **Who will call a TTO?**
- **What situations will the TTO be called?**
 - **Safety**
 - **Confusion / Misunderstanding**
- **IP Responsibilities**
 - **Recognize need for TTO**
 - **Explanation / Instruction as necessary**
 - **Documentation on ATF**
- **When and how will training resume?**



WEP-16X

ADMIN



- **A/C - ATC C/S - Tactical C/S - Crew**
- **TIMES (Brief / Walk / Marshal / Takeoff / Land)**
- **ATC Clearance / IFF**
- **Area**
- **NUMBERS (Line / T/O / Abort / RPM)**
- **Comm Plan - Primary/ Tac**
- **Nav Plan**
- **LCLS**
- **Joker / Bingo**



WEP-16X

ADMIN



Launch

- **Weather / NOTAMS / TFR / BASH**
- **Preflight / Start / Marshal / Taxi**
- **RadAlt Usage**

Recovery

- **Division Break**
- **Hung ordnance approach**



Emergencies/Contingencie



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WEP-16X

Ground Emergencies

WX / Timing no-go

Fallout plan / Aborts / Ground ejection

Single Radio / NORDO / ICS Failure

System Failures

Lame Duck / Rejoin plan

Lost Sight / Lost Interval

SIMO run

Tactical Abort criteria:

1. Break X run in
2. LAW 5° dive angle
3. SIMO run "abort"
4. **WARN/CAUT** 8. Safety of flight
5. +/- 15° off
6. +/-
7. Called

TGT fixation

Overstress / Low pullout

Control problems in dive

Ejection / Min ejection altitudes:

30° dive: 650 AGL

20° dive: 450 AGL

10° dive: 200 AGL

Loss of NAVAIDS

UNDERRUN

Birdstrike / Midair

Ejection

SAR procedures

Hung ordnance

ORM / TTO